				Br	idge	Culve	ert Inspection						
Bridge File Number 01745 -1 Bridge Culvert						Form Type			CULE				
Year Built		1955				Lot No.			1	1			
Bridge or Towr	n Name	PINCH	ER CREE			Inspector Name			Calvin Roberts				
Located Over		TRIBUTARY TO PINCHER CRE 2.12.31.1, WATERCRS-ST					Inspector Class		BR CLS B				
Located On 785:02 C1 4.784							Assistant Name						
Water Body Cl.	./Year						Assistant Class		20 Nov 2012				
Navigabil. Cl./Y							Inspection Date		28-Nov-2012				
Legal Land Loo		NW SE	C 31 TWP 6 R	GE 29 W4M			Data Entry By		Lauren Korte				
Longitude, Latitude -113:54:11, 49:31:13							Data Entry Date		19-Dec-2012				
Road Authority Alberta Transportation (AIT)							Reviewer Name	<u>;</u>	Garry Roberts				
Contract Main. Area CMA26								02-Dec-2012					
Clear Roadway	/Skew	9.3 / 30	deg. (RHF)				Dept. Reviewer						
AADT/Year	,		2011 (A)				Dept. Review D	ate	27-Dec-2012				
Road Classifica	ation	rAU-2					Follow-Up By						
Detour Length		8											
Bridge Culver													
Number of Culv			1										
Pipe #	Barrel		Span	Rise (or Dia	ı.) T	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape		
1	U/S		3886	2490	5	SP	1				ELLIPSE		
1	MAIN		3962	2438	E	BP	24.4				RECTANGLE		
Special Feature	es		VERT TIMBER	RSTRUTS			· · · · · ·						
Special Feature		nent											
•													
					Utili	ities (L	ocated at)						
Utility Attachme	ents							1					
Telephone	West	ditch.					Gas						
Power	_						Municipal						
Others	_						Problem (Y/N)	No					
Remarks													
							/ Embankment		tion.				
				La	st	Now	I / Embankment Explanation of		tion				
Horizontal Aligi				La					tion				
Horizontal Aligi Vertical Alignm	ent			La	ist 7	Now 7			tion				
Horizontal Aligi	ent		9.800	La	ist 7	Now 7			tion				
Horizontal Aligi Vertical Alignm	ent		9.800		ist 7	Now 7			tion				
Horizontal Aligi Vertical Alignm Roadway Widtl	h (m)		9.800		1 st 7 7	Now 7 7			tion				
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment	nent h (m) _:1)	4)			1 st 7 7	Now 7 7			tion				
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :	4)			1 st 7 7	Now 7 7			tion				
Horizontal Align Vertical Alignm Roadway Widtl Embankment Sideslope (h (m) _:1) _:0ver(m) :		3.0 No		1 st 7 7	Now 7 7			tion				
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (h (m) _:1) _:0ver(m) :		3.0 No		7 7 7 7 7 7	Now 7 7 7 7 7 7	Explanation of		tion				
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt		3.0 No	ting	1st 7 7 7 7 7 7	Now 7 7 7 7 7 7	Explanation of	Condi					
Horizontal Align Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt		3.0 No	ting	1st 7 7 7 7 7 7	Now 7 7 7 7 7 Jpstre	Explanation of	Condi					
Horizontal Align Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt onent	oankme	3.0 No nt General Rat	ting La	1st 7 7 7 7 7 7	Now 7 7 7 7 7 Jpstre	Explanation of	Condi					
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt onent	oankme	3.0 No nt General Rat	La La La La La La VV E	1st 7 7 7 7 7 7	Now 7 7 7 7 7 Jpstre	Explanation of	Condi					
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt onent	oankme	3.0 No nt General Rat	La La La La La La VV E	7 7 7 7 7 7 8 8 8	Now 7 7 7 7 Jpstre Now	Explanation of	Condi	tion				
Horizontal Aligi Vertical Alignm Roadway Widtl Embankment Sideslope (nent h (m) _:1) over(m) :) ad / Emt onent	oankme	3.0 No nt General Rat	ting La W	ist 7 7 7 7 7 6	Now 7 7 7 7 7 7 1 5	Explanation of	Condi	tion				

	Upstream End									
Culvert Component	Ilvert Component		Now	Explanation of Condition						
Cutoff Wall	Cutoff Wall		N							
Bevel End			7							
		7	7							
Heaving (mm)										
Invert Above/Below Stream Bed BELOW				-						
Above/Below (mm)	400	7	-							
Scour Protection		7	7							
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)		7	7							
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
Culvert Compensat				Ivert Barrel						
Culvert Component	tion Code: U/C. Spor	Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Local		(mm):	3000, I							
Barrel Last Accessible Date	28-Nov-2012			Design=3886 X 2490. Sp CSP culverts.						
Special Features										
Special Feature			7	150 X 00 TT struts 0.9m O/C.						
(Type : VERT TIMBER STRUTS))									
Special Feature										
(Type :)										
Roof		6	2	Reverse curvature in Rings 4,5,6.						
Measured Rise (mm)	1822									
Measured At Ring No.	4									
Sag (mm)	668									
Percent Sag	27									
Sidewall		6	4							
Measured Span (mm)	4061									
Measured At Ring No.	4									
Deflection (mm)	175									
Percent Deflection	5									
Floor		6	4							
Bulge (mm)	70		-1	1						
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		5	4	Sealed with spray foam.						
Separation (mm)	90									
Longitudinal Seams		Х	3	Up to 23mm gap along roof seam plates, sides and floor OK. Rise						
Total No. of Cracked Rings	0		<u> </u>	Up to 23mm gap along roof seam plates, sides and floor OK. Rise measurements taken from South side.						
Total No. of Rings with Two				1						
Cracked Seams Min. Remaining Steel										
Between Cracks (mm)				-						
Proper Lap (Y/N)				-						
Longitudinal Stagger (Y/N)			_							
Coating		X	5	Soil corrosion @ upper seams.						
Corrosion By Soil (Y/N)				-						
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									

Bridge Inspection & Maintenance System (Web 2005)

01745 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: U/S, Span	(mm):	3886, F	Rise (mm): 2490, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			X						
Baffle		X	X						
(Туре :)									
Waterway Adequacy		5	5						
Icing (Y/N)	No		1						
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel Extension General Rati	ng	6	3	Increase 1 point for struts.					
	-	Dei							
Culvert Component		1		Ivert Barrel Explanation of Condition					
-	ation Code: MAIN Spa			, Rise (mm): 2438, Type: BP, Cell Sequence: 1)					
Barrel Last Accessible Date	28-Nov-2012		9. 1901	South cell of concrete box.					
Barrei Last Accessible Date	28-1007-2012			South cell of concrete box.					
Special Features									
Special Feature									
(Туре :)									
Special Feature									
(Type:)									
Roof		6	6						
Measured Rise (mm)									
Measured At Ring No.				-					
Sag (mm)				-					
Percent Sag									
Sidewall		6	6						
Measured Span (mm)				-					
Measured At Ring No.				-					
Deflection (mm)				-					
Percent Deflection			_						
Floor		6	6	-					
Bulge (mm)				-					
Measured At Ring No.				-					
Abrasion (Y/N)			_						
Circumferential Seams		5	5	Foam sealed.					
Separation (mm)	90		_						
Longitudinal Seams		Х	X						
Total No. of Cracked Rings	0			-					
Total No. of Rings with Two Cracked Seams				-					
Min. Remaining Steel Between Cracks (mm)				•					
Proper Lap (Y/N)				-					
Longitudinal Stagger (Y/N)			_						
Coating		Х	X	-					
Corrosion By Soil (Y/N)				-					
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	ZERO								

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		1		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa	n (mm): 1981	, Rise (mm): 2438, Type: BP, Cell Sequence: 1)					
Ponding (Y/N)	No								
Fish Passage Adequacy		Х	Х						
Baffle	Pofflo								
(Type :)		Х	X						
Waterway Adequacy		5	5						
Icing (Y/N)	No		0						
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		5	6						
g									
				Ivert Barrel					
Culvert Component	line Onder MAINL One			Explanation of Condition					
		in (mm	i): 1981	, Rise (mm): 2438, Type: BP, Cell Sequence: 2)					
Barrel Last Accessible Date	28-Nov-2012			Concrete box. North cell.					
Special Features									
Special Feature									
(Туре :)									
Special Feature									
(Туре :)									
Roof		2	6						
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)									
Percent Sag									
Sidewall		4	6						
Measured Span (mm)									
Measured At Ring No.									
Deflection (mm)									
Percent Deflection									
Floor		4	6						
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		4	5						
Separation (mm)	0								
Longitudinal Seams		3	Х						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		5	Х						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	NEG								

Bridge Inspection & Maintenance System (Web 2005)

01745 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component			Now	
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	ban (mm): 1981	I, Rise (mm): 2438, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		X	Х	
Baffle		X	Х	
(Type :)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		3	6	
			ownst	ream End
Culvert Component			Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End	1	7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed				-
Above/Below (mm)	400	_		
Scour Protection		5	5	Localized scour hole, well rip rapped.
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Rati	ng	7	5	
				re Usage
Channel (U/S and D/S)		Last	Now	Explanation of Condition
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Culvert)				No visible HWM.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			-
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			-
Channel General Rating		6	6	
enter evilorar rating			ľ	

					Maintenance Re	ecommen	dations						
Inspector Recommendations			Year	Inspecto	r Comments		Department Corr		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT	ACCUMULATION												
INSTALL CONCR	ETE/STEEL LINING												
INSTALL STRUTS													
	ETE COLLAR/CUTC	DFF											
REPAIR SEAMS													
OTHER ACTION			2013	Replace	SPCSP pipe.								
OTHER ACTION													
OTHER ACTION													
OTHER ACTION					1			_		_			
Structural Condition Rating (Last/Now) (%)			33.3/33.	.3 Sufficiency Rating (L (%)		Now)	45.7/44.0	Est.	Repl. Yr	2013 Maint. R		qd. (Y/N)	Yes
Special Comments for Next Inspection 2 Notifications sent to at Leth general rating=3 for struts.			thbridge	Dec 3/12	advising of roof in SP rated	2- Barrel	Department Comments						
Maintenance Revi	ewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Garry			Roberts			Previous	s Assistant's Name						
Next Inspection D	ate	28-Feb-2016 Previo				Previous	s Inspection Date 07-Sep-2009						
Inspection Cycle (Default) (months)	39											
Comment													